

Converting Colors

XYZ(21.7911, 22.7812, 33.1504)

Have a look what the booklet for
XYZ(21.7911, 22.7812, 33.1504)
contains.

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Color

**XYZ(21.8039, 22.8345,
32.9641)**

Conversions

Conversions Part 1

Format	Color
Hex	798498
RGB	121, 132, 152
RGB Percent	47%, 52%, 60%
CMY	0.5255, 0.4823, 0.4039
CMYK	0.20, 0.13, 0.00, 0.40
HSL	219°, 13%, 54%
HSV	219°, 20%, 60%
XYZ	21.8039, 22.8345, 32.9641
YIQ	130.9910, -12.9760, 3.8880

Conversions

Conversions Part 2

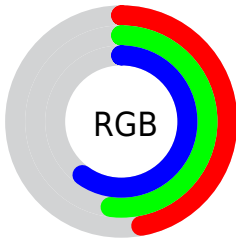
Format	Color
R_{YB}	121, 129, 152
Decimal	7963800
CIE _{Lab}	54.90, 0.47, -12.05
CIE _{LCh}	55, 12.059, 272.236
Yxy	22.8345, 0.2810, 0.2942
Android (android.graphics.Color)	4286153880 (0xFF798498)
YUV	130.9910, 10.3574, -8.7621
Hunter-Lab	47.7855, -2.1773, -7.4505

Details


The XYZ color **21.8039, 22.8345, 32.9641** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.9251, 27.1055, 21.9551**, and the grayscale version is **21.5382, 22.6599, 24.6766**.

A 20% lighter version of the original color is **45.9451, 48.1528, 65.2654**, and **8.1147, 8.5038, 13.5256** is the 20% darker color. If you saturate the color by 10%, you get **18.5716, 19.2866, 32.4500**, and if you desaturate by 10%, it is **25.4982, 26.8073, 33.5366**.

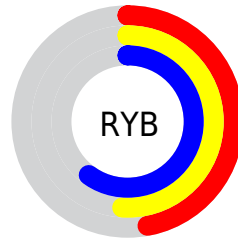
Distribution



 Red (47%)

 Green (52%)

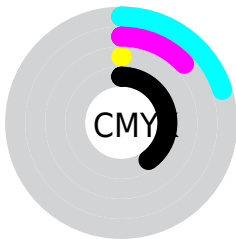
 Blue (60%)




 Red (47%)

 Yellow (51%)

 Blue (60%)

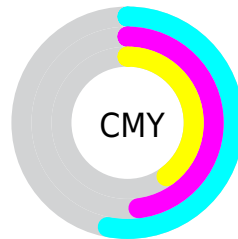


 Cyan (20%)


 Magenta (13%)

 Yellow (0%)

 Black (40%)



 Cyan (53%)

 Magenta (48%)

 Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8039, 22.8345, 32.9641 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.8039, 22.8345, 32.9641 by changing the saturation by 10% instead.

■ 21.8039, 22.8345,
32.9641

■ 21.8039, 22.8345,
32.9641

254.1721,
266.8738, 330.1150

■ 13.8287, 14.4714,
21.8281

■ 45.9029, 48.1214,
65.4348

■ 8.0825, 8.4492,
13.5335

■ 62.7575, 65.8140,
87.6066

■ 4.2000, 4.3837,
7.6619

■ 83.3025, 87.3852,
114.2940

■ 1.8159, 1.8904,
3.7947

107.9033,
113.2193, 145.9157

■ 0.5272, 0.5426,
1.5134

136.9253,
143.7009, 182.8900

■ 0.0000, 0.0000,
0.2279

170.7339,

■ 0.0000, 0.0000,

179.2142, 225.6357

0.0000

209.6944,
220.1437, 274.5712

■ 21.8039, 22.8345,
32.9641

■ 21.8039, 22.8345,
32.9641

■ 18.5716, 19.2866,
32.4500

■ 25.4982, 26.8073,
33.5366

■ 15.7802, 16.1460,
31.9909

■ 29.6705, 31.2163,
34.1677

■ 13.4099, 13.3975,
31.5854

■ 34.3382, 36.0759,
34.8597

■ 11.4383, 11.0242,
31.2312

■ 39.5177, 41.3991,
35.6142

■ 9.8411, 9.0076,
30.9261

■ 45.2242, 47.1980,
36.4327

■ 8.5909, 7.3275,
30.6677

■ 51.4724, 53.4845,
37.3168

■ 7.6559, 5.9607,
30.4532

■ 58.2764, 60.2700,
38.2679

■ 6.9842, 4.9002,
30.2839

■ 65.6499, 67.5656,
39.2875

■ 72.5673, 74.8466,
40.3283

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.5285, 22.8345, 31.9589



21.8039, 22.8345, 32.9641



23.1030, 22.8345, 31.6207

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.8039, 22.8345, 32.9641



23.9501, 22.8345, 21.1409



19.5085, 22.8345, 21.5903

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.8039, 22.8345, 32.9641



25.9251, 27.1055, 21.9551

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



20.3617, 22.8345, 19.1438



21.8039, 22.8345, 32.9641



22.9225, 22.8345, 18.9036

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.8039, 22.8345, 32.9641



24.3734, 22.8345, 24.5769



21.6034, 22.8345, 18.2113



19.2361, 22.8345, 25.1511

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.8039, 22.8345, 32.9641



23.7986, 22.8345, 29.6469



21.6034, 22.8345, 18.2113



19.7351, 22.8345, 20.6234

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.8046, 22.8354, 32.9646



48.0513, 50.5500, 59.6582



23.8943, 28.4340, 29.2859



10.8248, 11.3871, 13.5449



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.8046, 22.8354, 32.9646



36.0666, 37.6667, 57.8032



20.9822, 20.3122, 32.5209



6.0549, 6.3672, 7.8388



5.8831, 4.1628, 25.4011



0.1202, 0.1266, 0.3905

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.9517, 22.0166, 24.8181



40.5177, 36.1006, 40.8851



26.8685, 30.1208, 22.4874



6.2948, 6.2571, 6.9327



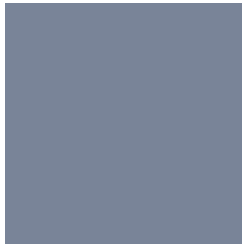
11.4283, 5.8255, 3.5143



0.1871, 0.0936, 0.1381

Previews

White Background



This preview shows how the XYZ color 21.8039, 22.8345, 32.9641 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.8039, 22.8345, 32.9641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

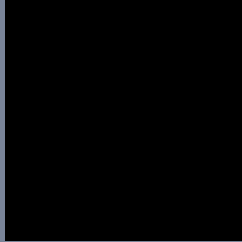
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

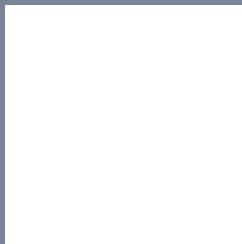
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8039, 22.8345, 32.9641

Background



This preview shows how black text looks on a background with the XYZ color 21.8039, 22.8345, 32.9641.



This preview shows how white text looks on a background with the XYZ color 21.8039, 22.8345,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.8039, 22.8345, 32.9641

Protanopia

22.4706, 22.7888, 32.4925

Deuteranopia

23.3005, 22.8066, 33.3110



Tritanopia

21.0293, 22.7106, 29.6608

Trichromacy



Original Color

21.8039, 22.8345, 32.9641

Protanomaly

22.1597, 22.8269, 32.5163

Deuteranomaly

22.6533, 22.6675, 33.3183

Tritanomaly

21.3997, 22.8747, 30.8911

Monochromacy



Original Color

21.8039, 22.8345, 32.9641

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5289, 22.6087, 27.6553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8039, 22.8345, 32.9641 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(121, 132, 152)` looks like.

```
.text, #text, p{  
    color:rgb(121, 132, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(121, 132, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 132, 152) }
```

Border

The CSS property to change the border of an element to XYZ 21.8039, 22.8345, 32.9641 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(121, 132, 152) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(121, 132, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(121, 132, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 132, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 132, 152);  
box-shadow:4px 4px 4px 4px rgb(121, 132,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8039, 22.8345, 32.9641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 132, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(121,  
132, 152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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